애플리케이션 테스트 수행

정기 수행 평가 08

2022.11.30 김동근

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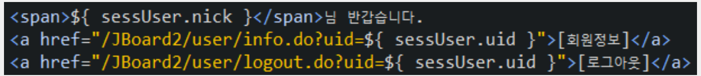
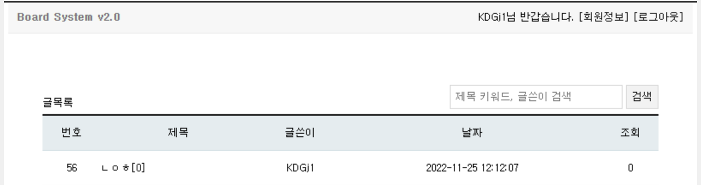
1 회원 정보

| info.jsp



```
<span>${ sessUser.nick }</span>님 반갑습니다.
<a href="/JBoard2/user/info.do?uid=${ sessUser.uid }">[회원정보]</a>
<a href="/JBoard2/user/logout.do?uid=${ sessUser.uid }">[로그아웃]</a>
```



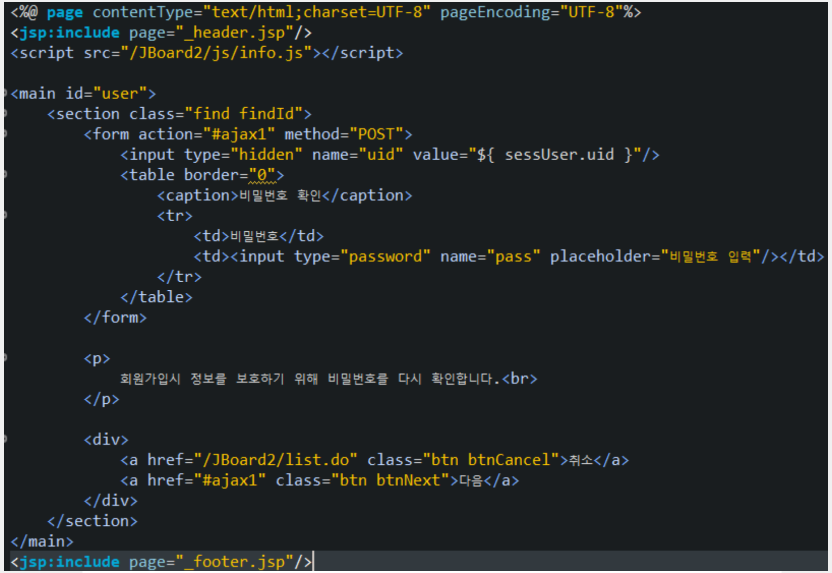
Board System v2.0

KDGi1님 반갑습니다. [회원정보] [로그아웃]

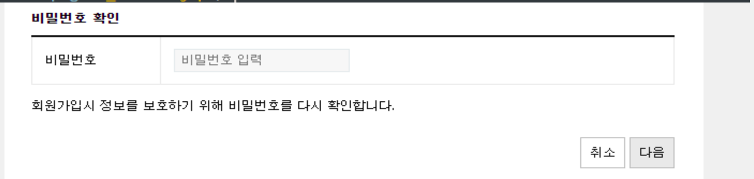
글목록

번호	제목	글쓴이	날짜	조회
56	ㄴㅇㅎ[0]	KDGi1	2022-11-25 12:12:07	0

회원 정보 추가



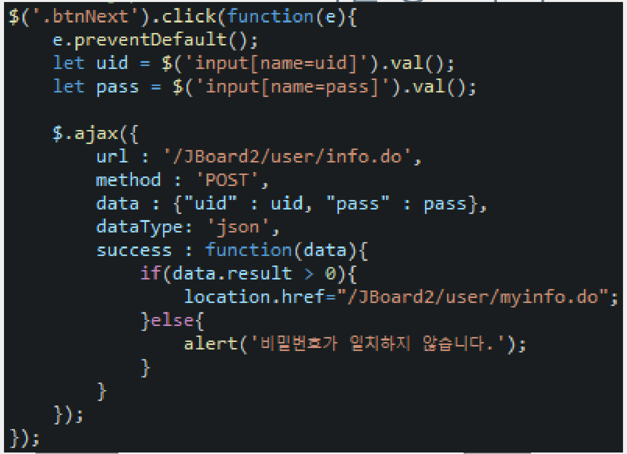
```
<%@ page contentType="text/html;charset=UTF-8" pageEncoding="UTF-8"%>
<jsp:include page="_header.jsp"/>
<script src="/JBoard2/js/info.js"></script>

<main id="user">
    <section class="find findId">
        <form action="#ajax1" method="POST">
            <input type="hidden" name="uid" value="${ sessUser.uid }"/>
            <table border="0">
                <caption>비밀번호 확인</caption>
                <tr>
                    <td>비밀번호</td>
                    <td><input type="password" name="pass" placeholder="비밀번호 입력"/></td>
                </tr>
            </table>
        </form>

        <p>
            회원가입시 정보를 보호하기 위해 비밀번호를 다시 확인합니다.<br>
        </p>

        <div>
            <a href="/JBoard2/list.do" class="btn btnCancel">취소</a>
            <a href="#ajax1" class="btn btnNext">다음</a>
        </div>
    </section>
</main>
<jsp:include page="_footer.jsp"/>
```



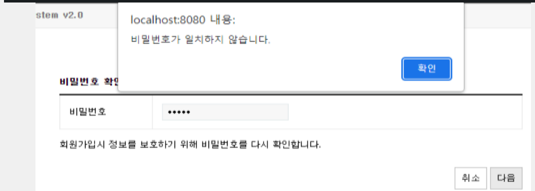
비밀번호 확인

비밀번호	비밀번호 입력

회원가입시 정보를 보호하기 위해 비밀번호를 다시 확인합니다.



```
$('.btnNext').click(function(e){
    e.preventDefault();
    let uid = $('input[name=uid]').val();
    let pass = $('input[name=pass]').val();

    $.ajax({
        url : '/JBoard2/user/info.do',
        method : 'POST',
        data : {"uid" : uid, "pass" : pass},
        dataType: 'json',
        success : function(data){
            if(data.result > 0){
                location.href="/JBoard2/user/myinfo.do";
            }else{
                alert('비밀번호가 일치하지 않습니다.');
            }
        }
    });
});
```



stem v2.0

localhost:8080 내용:

비밀번호가 일치하지 않습니다.

비밀번호 확인

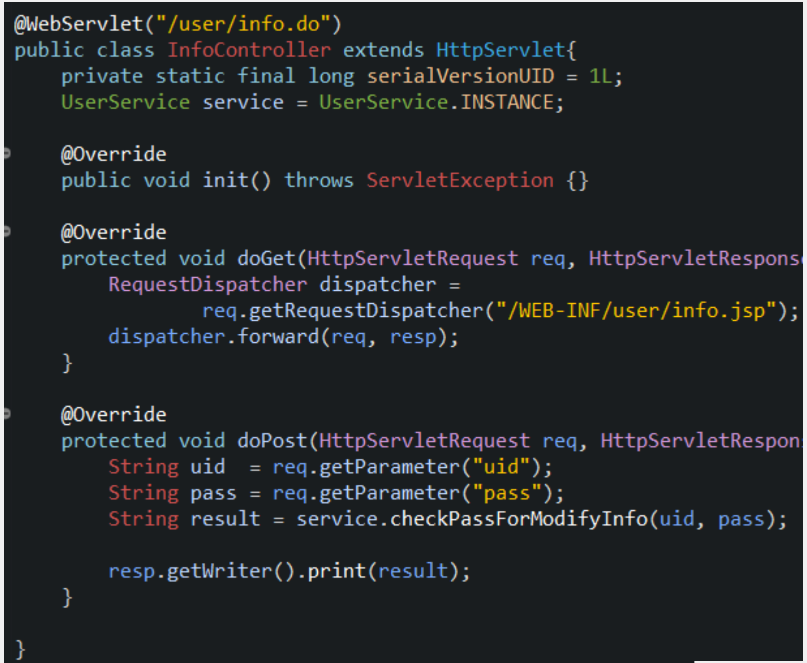
비밀번호	•••••

회원가입시 정보를 보호하기 위해 비밀번호를 다시 확인합니다.

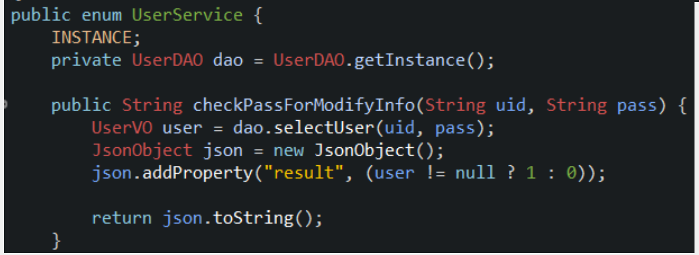
info.jsp 및 동작구현

1 회원 정보

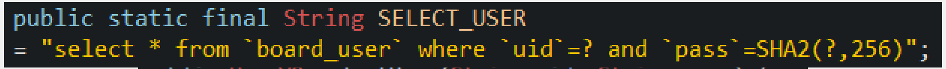
|비밀번호 확인



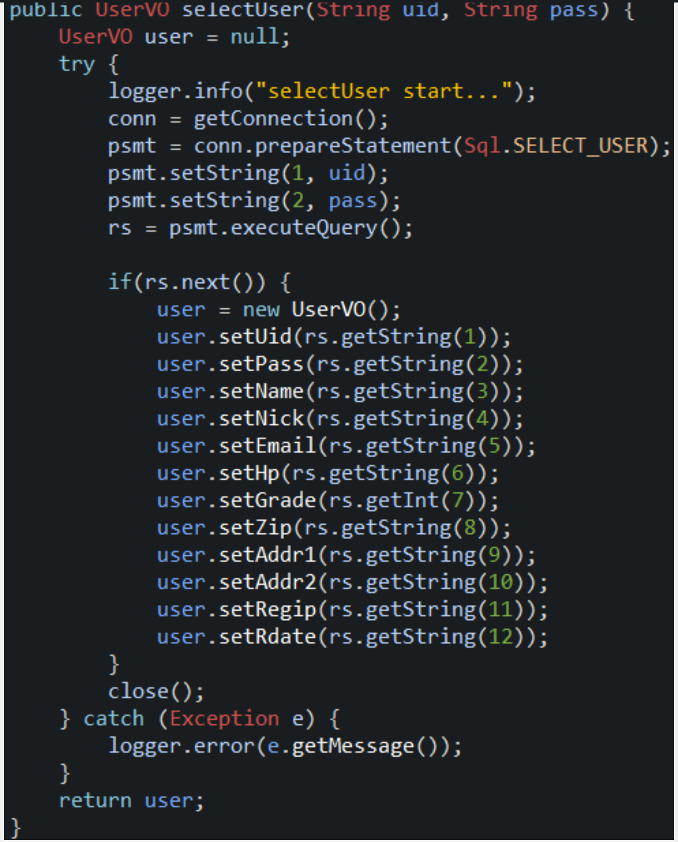
```java
@WebServlet("/user/info.do")
public class InfoController extends HttpServlet{
    private static final long serialVersionUID = 1L;
    UserService service = UserService.INSTANCE;

    @Override
    public void init() throws ServletException {}

    @Override
    protected void doGet(HttpServletRequest req, HttpServletRespons
        RequestDispatcher dispatcher =
                req.getRequestDispatcher("/WEB-INF/user/info.jsp");
        dispatcher.forward(req, resp);
    }

    @Override
    protected void doPost(HttpServletRequest req, HttpServletRespon
        String uid  = req.getParameter("uid");
        String pass = req.getParameter("pass");
        String result = service.checkPassForModifyInfo(uid, pass);

        resp.getWriter().print(result);
    }

}
```



```java
public enum UserService {
    INSTANCE;
    private UserDAO dao = UserDAO.getInstance();

    public String checkPassForModifyInfo(String uid, String pass) {
        UserVO user = dao.selectUser(uid, pass);
        JsonObject json = new JsonObject();
        json.addProperty("result", (user != null ? 1 : 0));

        return json.toString();
    }
```



```java
public static final String SELECT_USER
= "select * from `board_user` where `uid`=? and `pass`=SHA2(?,256)";
```

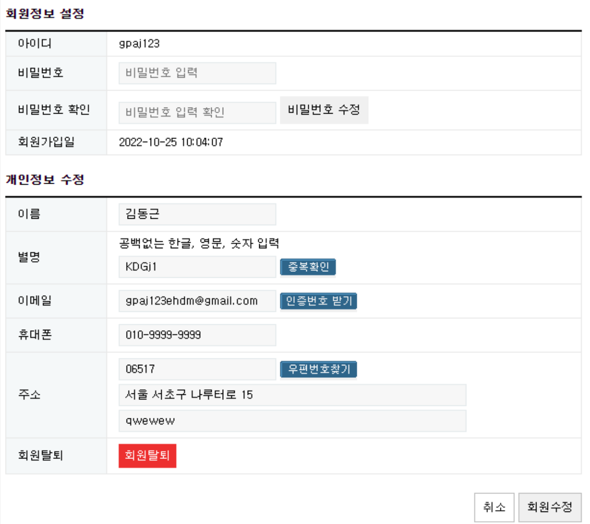


```java
public UserVO selectUser(String uid, String pass) {
    UserVO user = null;
    try {
        logger.info("selectUser start...");
        conn = getConnection();
        psmt = conn.prepareStatement(Sql.SELECT_USER);
        psmt.setString(1, uid);
        psmt.setString(2, pass);
        rs = psmt.executeQuery();

        if(rs.next()) {
            user = new UserVO();
            user.setUid(rs.getString(1));
            user.setPass(rs.getString(2));
            user.setName(rs.getString(3));
            user.setNick(rs.getString(4));
            user.setEmail(rs.getString(5));
            user.setHp(rs.getString(6));
            user.setGrade(rs.getInt(7));
            user.setZip(rs.getString(8));
            user.setAddr1(rs.getString(9));
            user.setAddr2(rs.getString(10));
            user.setRegip(rs.getString(11));
            user.setRdate(rs.getString(12));
        }
        close();
    } catch (Exception e) {
        logger.error(e.getMessage());
    }
    return user;
}
```

Info 컨트롤러와 UserService, DAO, Sql문

2 회원 정보 설정

| myinfo.jsp



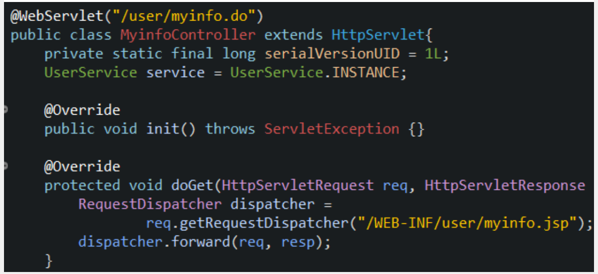
회원정보 설정

아이디	gpaj123
비밀번호	비밀번호 입력
비밀번호 확인	비밀번호 입력 확인 비밀번호 수정
회원가입일	2022-10-25 10:04:07

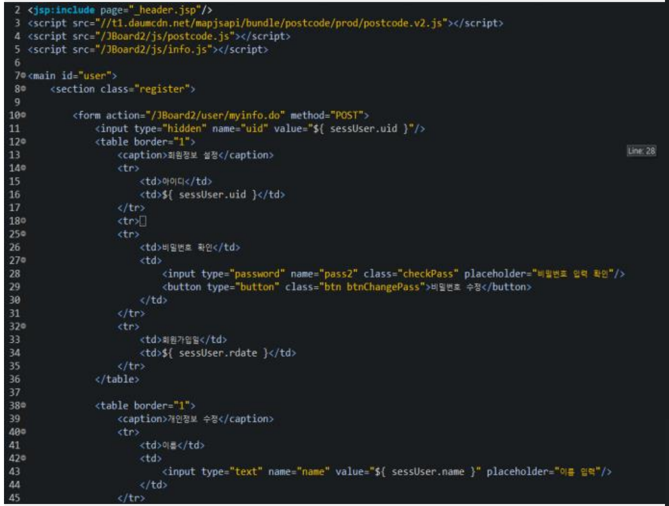
개인정보 수정

이름	김동근
별명	공백없는 한글, 영문, 숫자 입력 KDGj1 중복확인
이메일	gpaj123ehdm@gmail.com 인증번호 받기
휴대폰	010-9999-9999
주소	06517 우편번호찾기 서울 서초구 나루터로 15 qwewew
회원탈퇴	회원탈퇴

취소 회원수정

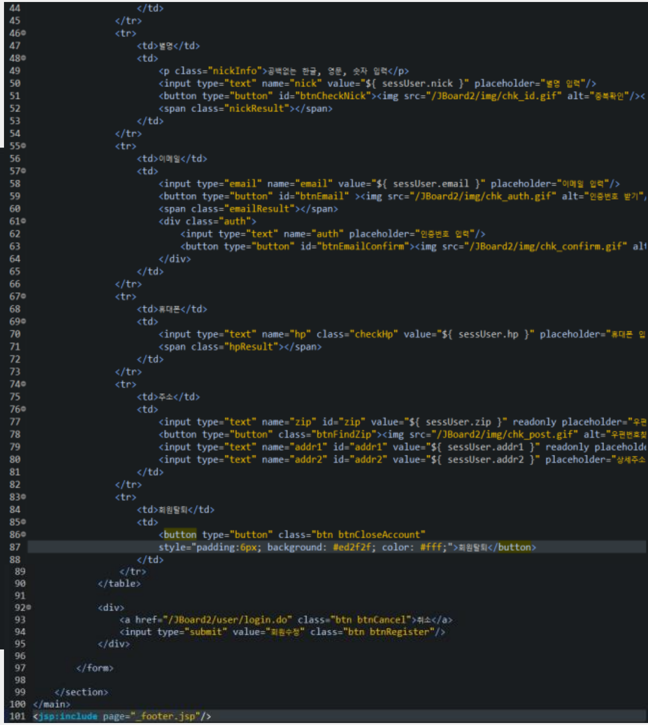


```java
@WebServlet("/user/myinfo.do")
public class MyinfoController extends HttpServlet{
    private static final long serialVersionUID = 1L;
    UserService service = UserService.INSTANCE;

    @Override
    public void init() throws ServletException {}

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse
        RequestDispatcher dispatcher =
                req.getRequestDispatcher("/WEB-INF/user/myinfo.jsp");
        dispatcher.forward(req, resp);
    }
```



```jsp
<jsp:include page="_header.jsp"/>
<script src="//t1.daumcdn.net/mapjsapi/bundle/postcode/prod/postcode.v2.js"></script>
<script src="/JBoard2/js/postcode.js"></script>
<script src="/JBoard2/js/info.js"></script>

<main id="user">
    <section class="register">

        <form action="/JBoard2/user/myinfo.do" method="POST">
            <input type="hidden" name="uid" value="${ sessUser.uid }"/>
            <table border="1">
                <caption>회원정보 설정</caption>
                <tr>
                    <td>아이디</td>
                    <td>${ sessUser.uid }</td>
                </tr>
                <tr>□
                <tr>
                    <td>비밀번호 확인</td>
                    <td>
                        <input type="password" name="pass2" class="checkPass" placeholder="비밀번호 입력 확인"/>
                        <button type="button" class="btn btnChangePass">비밀번호 수정</button>
                    </td>
                </tr>
                <tr>
                    <td>회원가입일</td>
                    <td>${ sessUser.rdate }</td>
                </tr>
            </table>

            <table border="1">
                <caption>개인정보 수정</caption>
                <tr>
                    <td>이름</td>
                    <td>
                        <input type="text" name="name" value="${ sessUser.name }" placeholder="이름 입력"/>
                    </td>
                </tr>
```

Line: 28

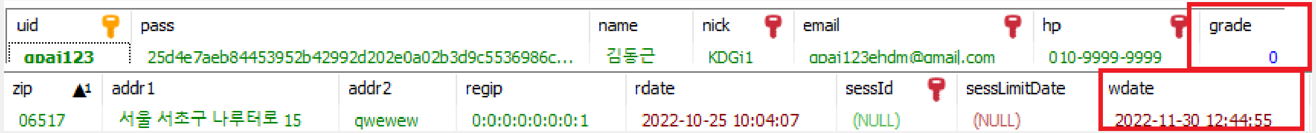


```jsp
                    </td>
                </tr>
                <tr>
                    <td>별명</td>
                    <td>
                        <p class="nickInfo">공백없는 한글, 영문, 숫자 입력</p>
                        <input type="text" name="nick" value="${ sessUser.nick }" placeholder="별명 입력"/>
                        <button type="button" id="btnCheckNick"><img src="/JBoard2/img/chk_id.gif" alt="중복확인"/><
                        <span class="nickResult"></span>
                    </td>
                </tr>
                <tr>
                    <td>이메일</td>
                    <td>
                        <input type="email" name="email" value="${ sessUser.email }" placeholder="이메일 입력"/>
                        <button type="button" id="btnEmail" ><img src="/JBoard2/img/chk_auth.gif" alt="인증번호 받기",
                        <span class="emailResult"></span>
                        <div class="auth">
                            <input type="text" name="auth" placeholder="인증번호 입력"/>
                            <button type="button" id="btnEmailConfirm"><img src="/JBoard2/img/chk_confirm.gif" al
                        </div>
                    </td>
                </tr>
                <tr>
                    <td>휴대폰</td>
                    <td>
                        <input type="text" name="hp" class="checkHp" value="${ sessUser.hp }" placeholder="휴대폰 입
                        <span class="hpResult"></span>
                    </td>
                </tr>
                <tr>
                    <td>주소</td>
                    <td>
                        <input type="text" name="zip" id="zip" value="${ sessUser.zip }" readonly placeholder="우편
                        <button type="button" class="btnFindZip"><img src="/JBoard2/img/chk_post.gif" alt="우편번호찾
                        <input type="text" name="addr1" id="addr1" value="${ sessUser.addr1 }" readonly placehold
                        <input type="text" name="addr2" id="addr2" value="${ sessUser.addr2 }" placeholder="상세주소
                    </td>
                </tr>
                <tr>
                    <td>회원탈퇴</td>
                    <td>
                        <button type="button" class="btn btnCloseAccount"
                        style="padding:6px; background: #ed2f2f; color: #fff;">회원탈퇴</button>
                    </td>
                </tr>
            </table>

            <div>
                <a href="/JBoard2/user/login.do" class="btn btnCancel">취소</a>
                <input type="submit" value="회원수정" class="btn btnRegister"/>
            </div>

        </form>

    </section>
</main>
<jsp:include page="_footer.jsp"/>
```

컨트롤러 (doGet 부분), Jsp 및 화면

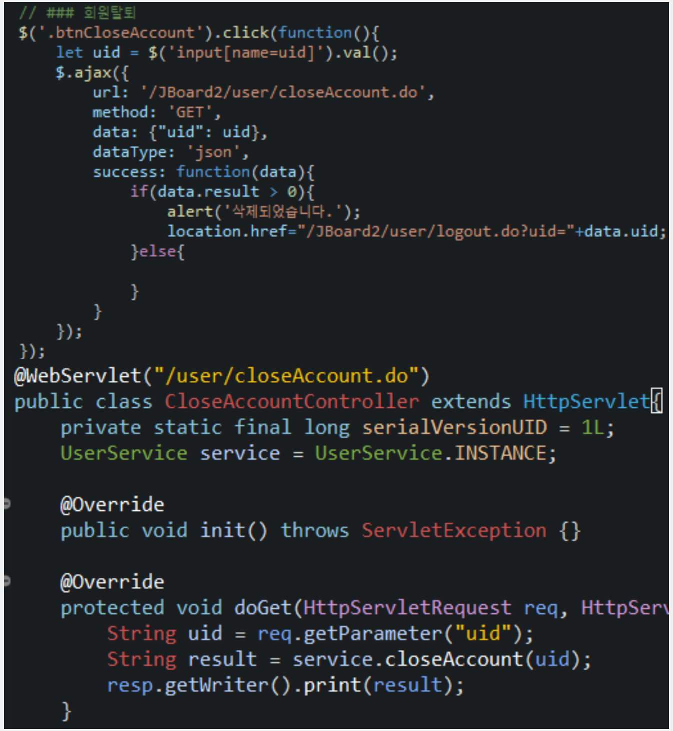
2 회원 정보 설정

| 회원 탈퇴 기능

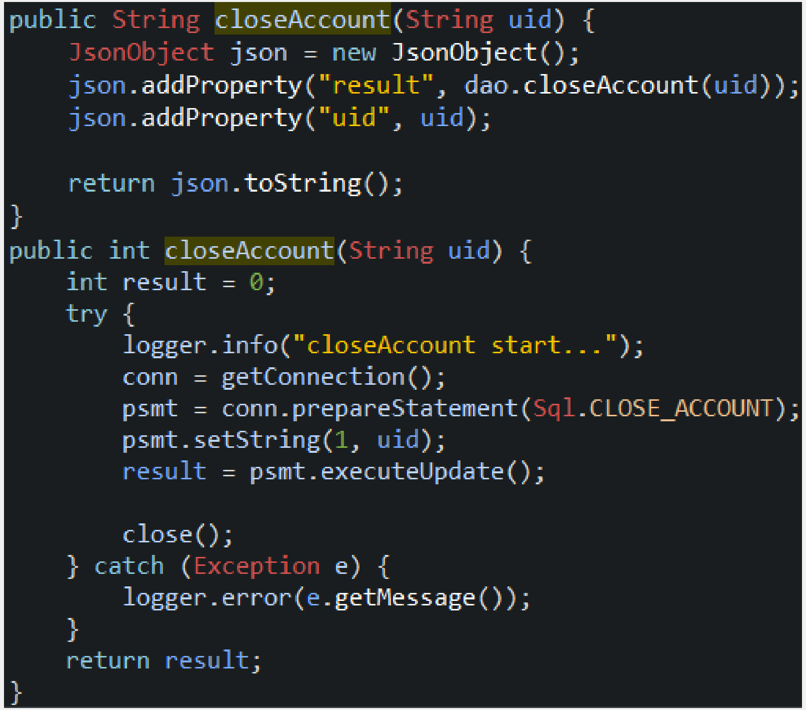


uid	pass	name	nick	email	hp	grade
gpai123	25d4e7aeb84453952b42992d202e0a02b3d9c5536986c...	김동근	KDGi1	gpai123ehdm@gmail.com	010-9999-9999	0

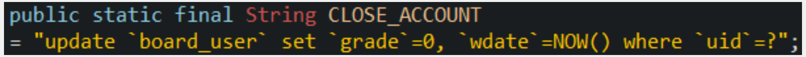
zip	addr1	addr2	regip	rdate	sessId	sessLimitDate	wdate
06517	서울 서초구 나루터로 15	qwewew	0:0:0:0:0:0:0:1	2022-10-25 10:04:07	(NULL)	(NULL)	2022-11-30 12:44:55



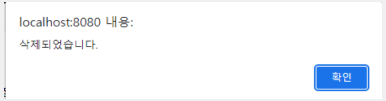
```
// ### 회원탈퇴
$('.btnCloseAccount').click(function(){
    let uid = $('input[name=uid]').val();
    $.ajax({
        url: '/JBoard2/user/closeAccount.do',
        method: 'GET',
        data: {"uid": uid},
        dataType: 'json',
        success: function(data){
            if(data.result > 0){
                alert('삭제되었습니다.');
                location.href="/JBoard2/user/logout.do?uid="+data.uid;
            }else{

            }
        }
    });
});
@WebServlet("/user/closeAccount.do")
public class CloseAccountController extends HttpServlet{
    private static final long serialVersionUID = 1L;
    UserService service = UserService.INSTANCE;

    @Override
    public void init() throws ServletException {}

    @Override
    protected void doGet(HttpServletRequest req, HttpServ
        String uid = req.getParameter("uid");
        String result = service.closeAccount(uid);
        resp.getWriter().print(result);
    }
```



```
public String closeAccount(String uid) {
    JsonObject json = new JsonObject();
    json.addProperty("result", dao.closeAccount(uid));
    json.addProperty("uid", uid);

    return json.toString();
}
public int closeAccount(String uid) {
    int result = 0;
    try {
        logger.info("closeAccount start...");
        conn = getConnection();
        psmt = conn.prepareStatement(Sql.CLOSE_ACCOUNT);
        psmt.setString(1, uid);
        result = psmt.executeUpdate();

        close();
    } catch (Exception e) {
        logger.error(e.getMessage());
    }
    return result;
}
```

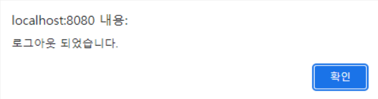


```
public static final String CLOSE_ACCOUNT
= "update `board_user` set `grade`=0, `wdate`=NOW() where `uid`=?";
```



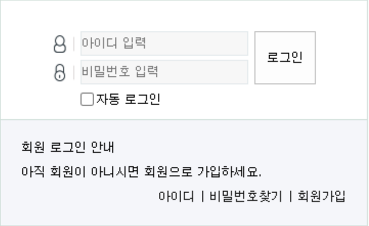
localhost:8080 내용:

삭제되었습니다.



localhost:8080 내용:

로그아웃 되었습니다.



회원 로그인 안내

아직 회원이 아니시면 회원으로 가입하세요.

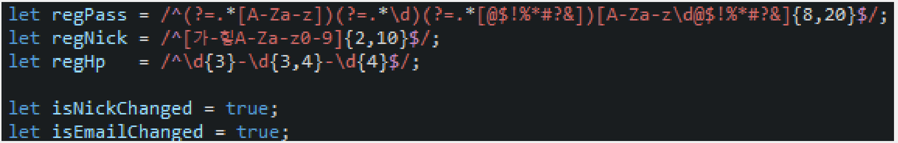
아이디 | 비밀번호찾기 | 회원가입

삭제 후 로그아웃까지

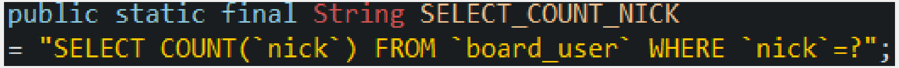
회원탈퇴 기능
좌 info.js 및 컨트롤러
우 UserService 및 DAO, Sql문

2 회원 정보 설정

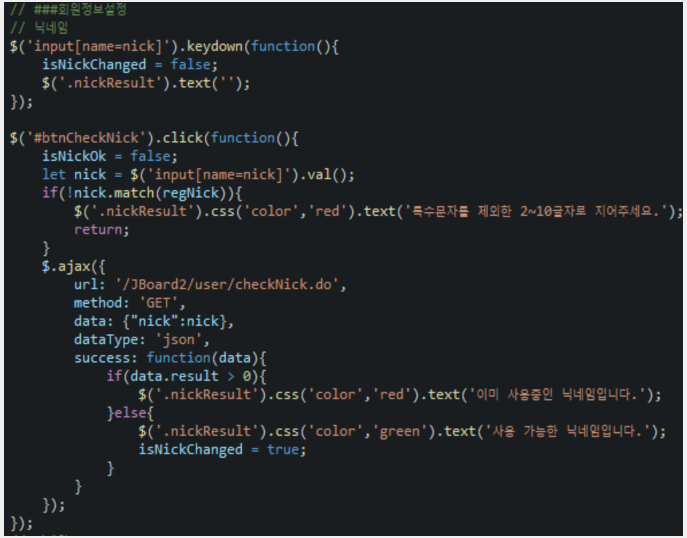
| 개인정보수정



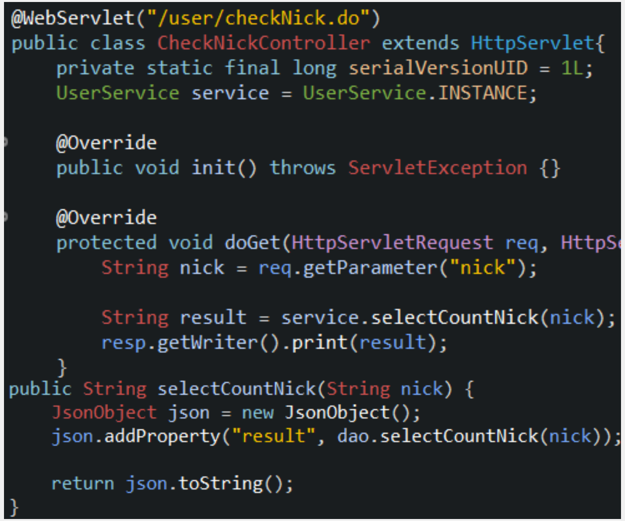
```
let regPass = /^(?=.*[A-Za-z])(?=.*\d)(?=.*[@$!%*#?&])[A-Za-z\d@$!%*#?&]{8,20}$/;
let regNick = /^[가-힣A-Za-z0-9]{2,10}$/;
let regHp   = /^\d{3}-\d{3,4}-\d{4}$/;

let isNickChanged = true;
let isEmailChanged = true;
```



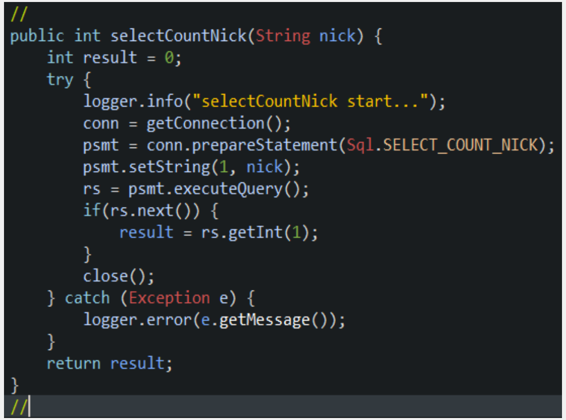
```
public static final String SELECT_COUNT_NICK
= "SELECT COUNT(`nick`) FROM `board_user` WHERE `nick`=?";
```



```
// ###회원정보설정
// 닉네임
$('input[name=nick]').keydown(function(){
    isNickChanged = false;
    $('.nickResult').text('');
});

$('#btnCheckNick').click(function(){
    isNickOk = false;
    let nick = $('input[name=nick]').val();
    if(!nick.match(regNick)){
        $('.nickResult').css('color','red').text('특수문자를 제외한 2~10글자로 지어주세요.');
        return;
    }
    $.ajax({
        url: '/JBoard2/user/checkNick.do',
        method: 'GET',
        data: {"nick":nick},
        dataType: 'json',
        success: function(data){
            if(data.result > 0){
                $('.nickResult').css('color','red').text('이미 사용중인 닉네임입니다.');
            }else{
                $('.nickResult').css('color','green').text('사용 가능한 닉네임입니다.');
                isNickChanged = true;
            }
        }
    });
});
```



```
@WebServlet("/user/checkNick.do")
public class CheckNickController extends HttpServlet{
    private static final long serialVersionUID = 1L;
    UserService service = UserService.INSTANCE;

    @Override
    public void init() throws ServletException {}

    @Override
    protected void doGet(HttpServletRequest req, HttpS
        String nick = req.getParameter("nick");

        String result = service.selectCountNick(nick);
        resp.getWriter().print(result);
    }
public String selectCountNick(String nick) {
    JsonObject json = new JsonObject();
    json.addProperty("result", dao.selectCountNick(nick));

    return json.toString();
}
```



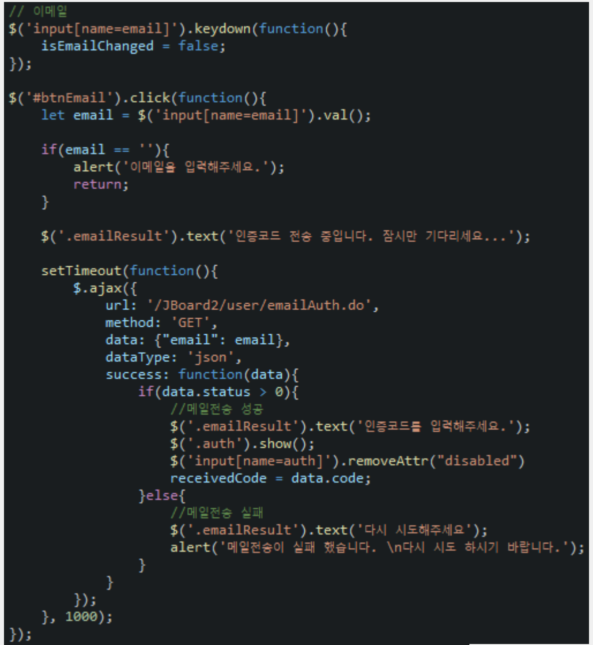
```
//
public int selectCountNick(String nick) {
    int result = 0;
    try {
        logger.info("selectCountNick start...");
        conn = getConnection();
        psmt = conn.prepareStatement(Sql.SELECT_COUNT_NICK);
        psmt.setString(1, nick);
        rs = psmt.executeQuery();
        if(rs.next()) {
            result = rs.getInt(1);
        }
        close();
    } catch (Exception e) {
        logger.error(e.getMessage());
    }
    return result;
}
//
```

Info.jsp
닉네임 중복체크 버튼

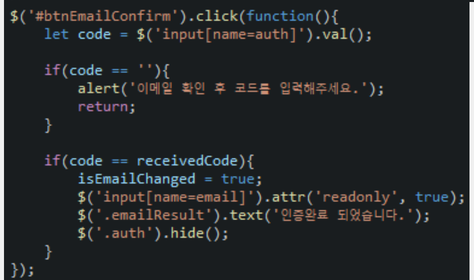
Controller, Service, DAO, Sql문

2 회원 정보 설정

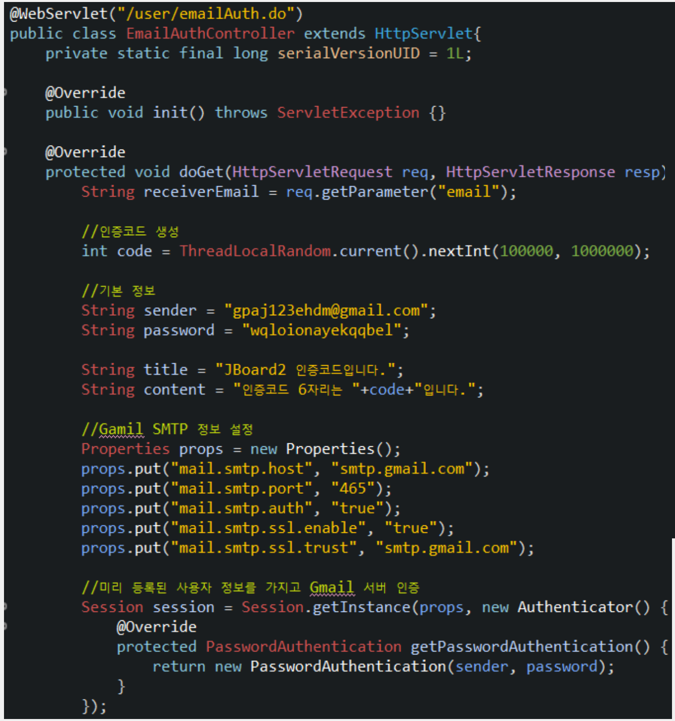
| 개인정보수정



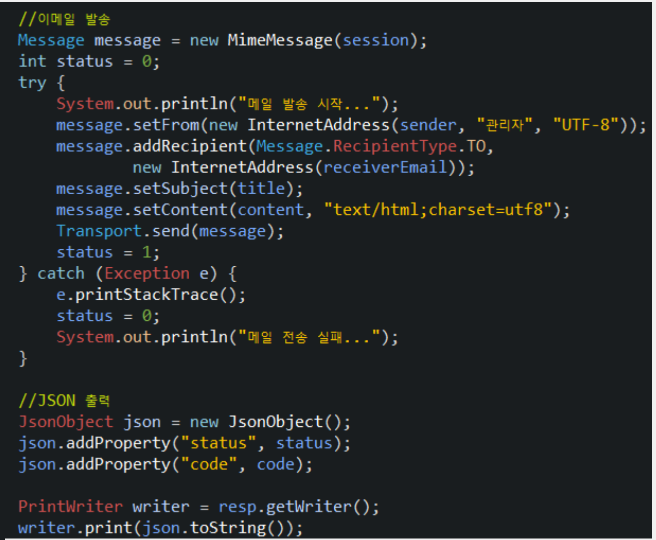
```
// 이메일
$('input[name=email]').keydown(function(){
    isEmailChanged = false;
});

$('#btnEmail').click(function(){
    let email = $('input[name=email]').val();

    if(email == ''){
        alert('이메일을 입력해주세요.');
        return;
    }

    $('.emailResult').text('인증코드 전송 중입니다. 잠시만 기다리세요...');

    setTimeout(function(){
        $.ajax({
            url: '/JBoard2/user/emailAuth.do',
            method: 'GET',
            data: {"email": email},
            dataType: 'json',
            success: function(data){
                if(data.status > 0){
                    //메일전송 성공
                    $('.emailResult').text('인증코드를 입력해주세요.');
                    $('.auth').show();
                    $('input[name=auth]').removeAttr("disabled")
                    receivedCode = data.code;
                }else{
                    //메일전송 실패
                    $('.emailResult').text('다시 시도해주세요');
                    alert('메일전송이 실패 했습니다. \n다시 시도 하시기 바랍니다.');
                }
            }
        });
    }, 1000);
});
```



```
$('#btnEmailConfirm').click(function(){
    let code = $('input[name=auth]').val();

    if(code == ''){
        alert('이메일 확인 후 코드를 입력해주세요.');
        return;
    }

    if(code == receivedCode){
        isEmailChanged = true;
        $('input[name=email]').attr('readonly', true);
        $('.emailResult').text('인증완료 되었습니다.');
        $('.auth').hide();
    }
});
```



```
@WebServlet("/user/emailAuth.do")
public class EmailAuthController extends HttpServlet{
    private static final long serialVersionUID = 1L;

    @Override
    public void init() throws ServletException {}

    @Override
    protected void doGet(HttpServletRequest req, HttpServletResponse resp)
        String receiverEmail = req.getParameter("email");

        //인증코드 생성
        int code = ThreadLocalRandom.current().nextInt(100000, 1000000);

        //기본 정보
        String sender = "gpaj123ehdm@gmail.com";
        String password = "wqloionayekqqbel";

        String title = "JBoard2 인증코드입니다.";
        String content = "인증코드 6자리는 "+code+"입니다.";

        //Gamil SMTP 정보 설정
        Properties props = new Properties();
        props.put("mail.smtp.host", "smtp.gmail.com");
        props.put("mail.smtp.port", "465");
        props.put("mail.smtp.auth", "true");
        props.put("mail.smtp.ssl.enable", "true");
        props.put("mail.smtp.ssl.trust", "smtp.gmail.com");

        //미리 등록된 사용자 정보를 가지고 Gmail 서버 인증
        Session session = Session.getInstance(props, new Authenticator() {
            @Override
            protected PasswordAuthentication getPasswordAuthentication() {
                return new PasswordAuthentication(sender, password);
            }
        });
```

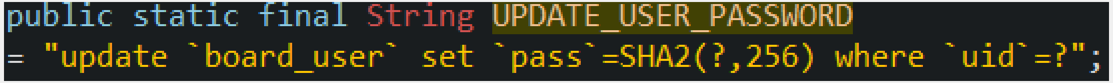


```
//이메일 발송
Message message = new MimeMessage(session);
int status = 0;
try {
    System.out.println("메일 발송 시작...");
    message.setFrom(new InternetAddress(sender, "관리자", "UTF-8"));
    message.addRecipient(Message.RecipientType.TO,
            new InternetAddress(receiverEmail));
    message.setSubject(title);
    message.setContent(content, "text/html;charset=utf8");
    Transport.send(message);
    status = 1;
} catch (Exception e) {
    e.printStackTrace();
    status = 0;
    System.out.println("메일 전송 실패...");
}

//JSON 출력
JsonObject json = new JsonObject();
json.addProperty("status", status);
json.addProperty("code", code);

PrintWriter writer = resp.getWriter();
writer.print(json.toString());
```

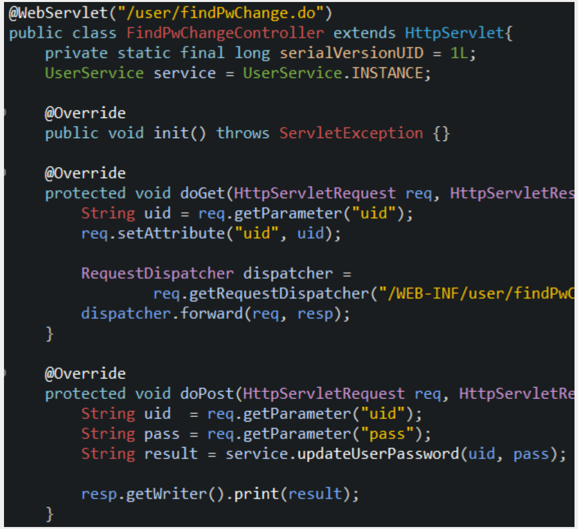
Info.jsp
이메일 인증버튼 및 기능

2 회원 정보 설정

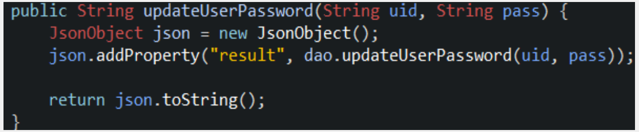
| 개인정보수정



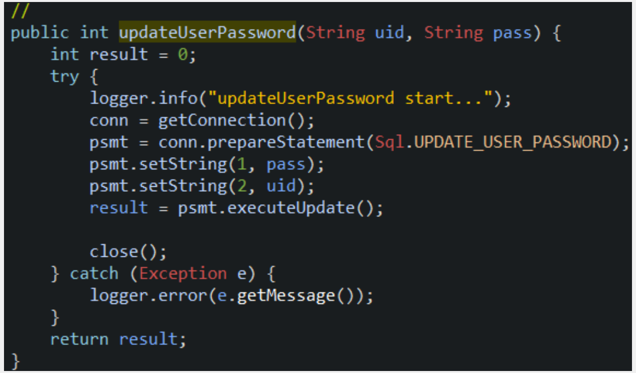
```
public static final String UPDATE_USER_PASSWORD
= "update `board_user` set `pass`=SHA2(?,256) where `uid`=?";
```



```
@WebServlet("/user/findPwChange.do")
public class FindPwChangeController extends HttpServlet{
    private static final long serialVersionUID = 1L;
    UserService service = UserService.INSTANCE;

    @Override
    public void init() throws ServletException {}

    @Override
    protected void doGet(HttpServletRequest req, HttpServletRes
        String uid = req.getParameter("uid");
        req.setAttribute("uid", uid);

        RequestDispatcher dispatcher =
                req.getRequestDispatcher("/WEB-INF/user/findPwC
        dispatcher.forward(req, resp);
    }

    @Override
    protected void doPost(HttpServletRequest req, HttpServletRe
        String uid  = req.getParameter("uid");
        String pass = req.getParameter("pass");
        String result = service.updateUserPassword(uid, pass);

        resp.getWriter().print(result);
    }
```

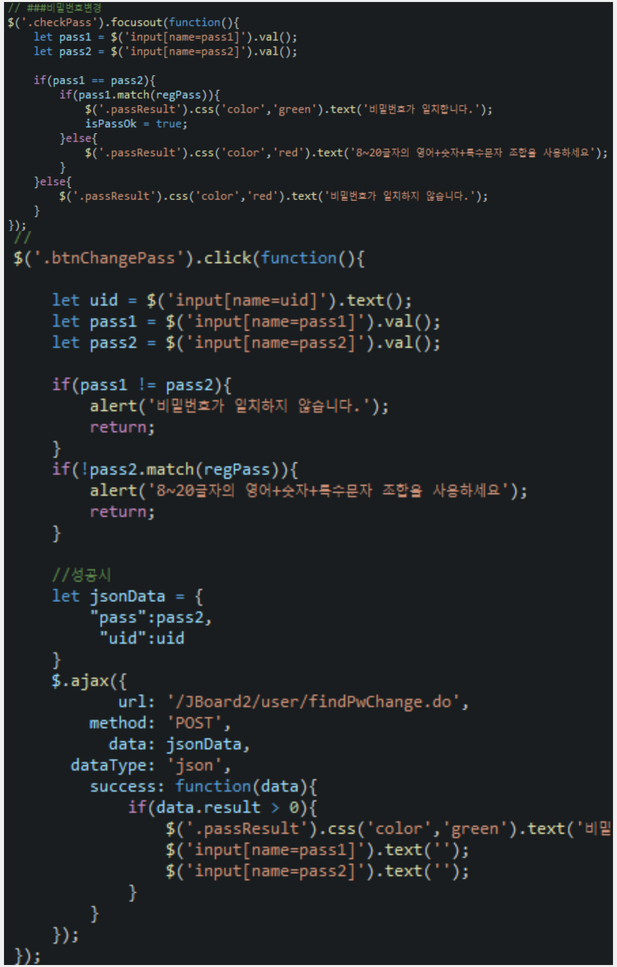


```
public String updateUserPassword(String uid, String pass) {
    JsonObject json = new JsonObject();
    json.addProperty("result", dao.updateUserPassword(uid, pass));

    return json.toString();
}
```



```
//
public int updateUserPassword(String uid, String pass) {
    int result = 0;
    try {
        logger.info("updateUserPassword start...");
        conn = getConnection();
        psmt = conn.prepareStatement(Sql.UPDATE_USER_PASSWORD);
        psmt.setString(1, pass);
        psmt.setString(2, uid);
        result = psmt.executeUpdate();

        close();
    } catch (Exception e) {
        logger.error(e.getMessage());
    }
    return result;
}
```

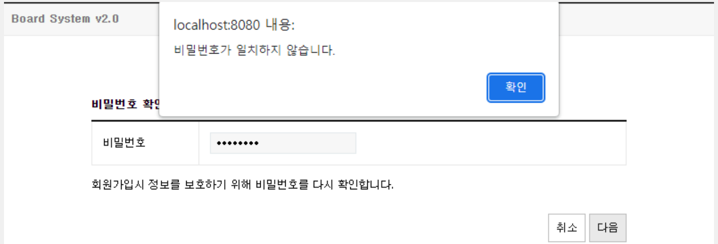
Info.jsp 비밀번호 변경 버튼
Controller, Service, DAO, Sql문



```
// ###비밀번호변경
$('.checkPass').focusout(function(){
    let pass1 = $('input[name=pass1]').val();
    let pass2 = $('input[name=pass2]').val();

    if(pass1 == pass2){
        if(pass1.match(regPass)){
            $('.passResult').css('color','green').text('비밀번호가 일치합니다.');
            isPassOk = true;
        }else{
            $('.passResult').css('color','red').text('8~20글자의 영어+숫자+특수문자 조합을 사용하세요');
        }
    }else{
        $('.passResult').css('color','red').text('비밀번호가 일치하지 않습니다.');
    }
});
 //
 $('.btnChangePass').click(function(){

     let uid = $('input[name=uid]').text();
     let pass1 = $('input[name=pass1]').val();
     let pass2 = $('input[name=pass2]').val();

     if(pass1 != pass2){
         alert('비밀번호가 일치하지 않습니다.');
         return;
     }
     if(!pass2.match(regPass)){
         alert('8~20글자의 영어+숫자+특수문자 조합을 사용하세요');
         return;
     }

     //성공시
     let jsonData = {
         "pass":pass2,
          "uid":uid
     }
     $.ajax({
            url: '/JBoard2/user/findPwChange.do',
         method: 'POST',
           data: jsonData,
       dataType: 'json',
         success: function(data){
             if(data.result > 0){
                 $('.passResult').css('color','green').text('비밀
                 $('input[name=pass1]').text('');
                 $('input[name=pass2]').text('');
             }
         }
     });
 });
```

3 실제 동작 화면

| 실제



Board System v2.0

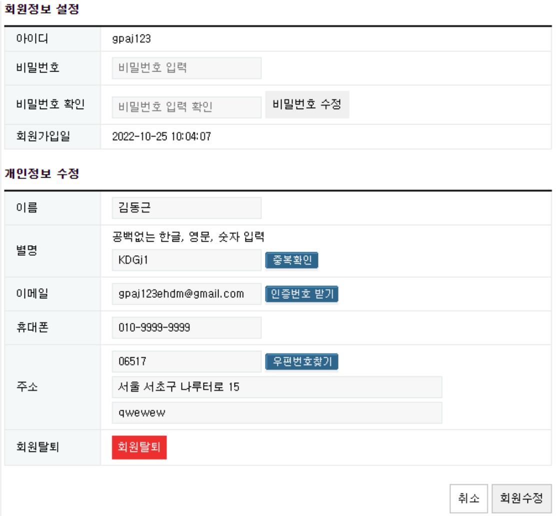
localhost:8080 내용:

비밀번호가 일치하지 않습니다.

비밀번호 확

비밀번호	••••••••

회원가입시 정보를 보호하기 위해 비밀번호를 다시 확인합니다.



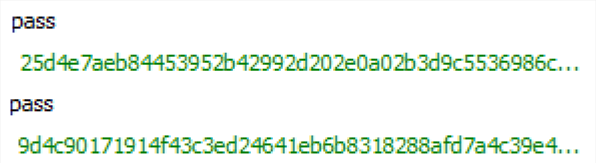
회원정보 설정

아이디	gpaj123
비밀번호	비밀번호 입력
비밀번호 확인	비밀번호 입력 확인 비밀번호 수정
회원가입일	2022-10-25 10:04:07

개인정보 수정

이름	김동근
별명	공백없는 한글, 영문, 숫자 입력 KDGj1 중복확인
이메일	gpaj123ehdm@gmail.com 인증번호 받기
휴대폰	010-9999-9999
주소	06517 우편번호찾기 서울 서초구 나루터로 15 qwewew
회원탈퇴	회원탈퇴

Info.jsp 비밀번호 체크
Myinfo.jsp

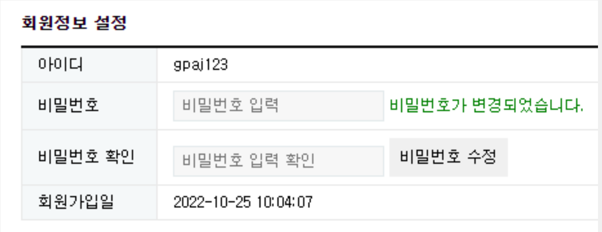


pass

25d4e7aeb84453952b42992d202e0a02b3d9c5536986c...

pass

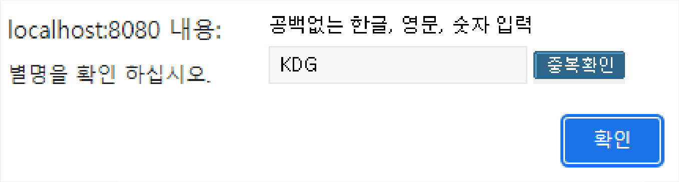
9d4c90171914f43c3ed24641eb6b8318288afd7a4c39e4...



회원정보 설정

아이디	gpaj123
비밀번호	비밀번호 입력 비밀번호가 변경되었습니다.
비밀번호 확인	비밀번호 입력 확인 비밀번호 수정
회원가입일	2022-10-25 10:04:07

변경 후 입력칸 초기화

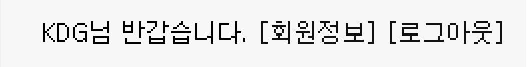


localhost:8080 내용:

별명을 확인 하십시오.

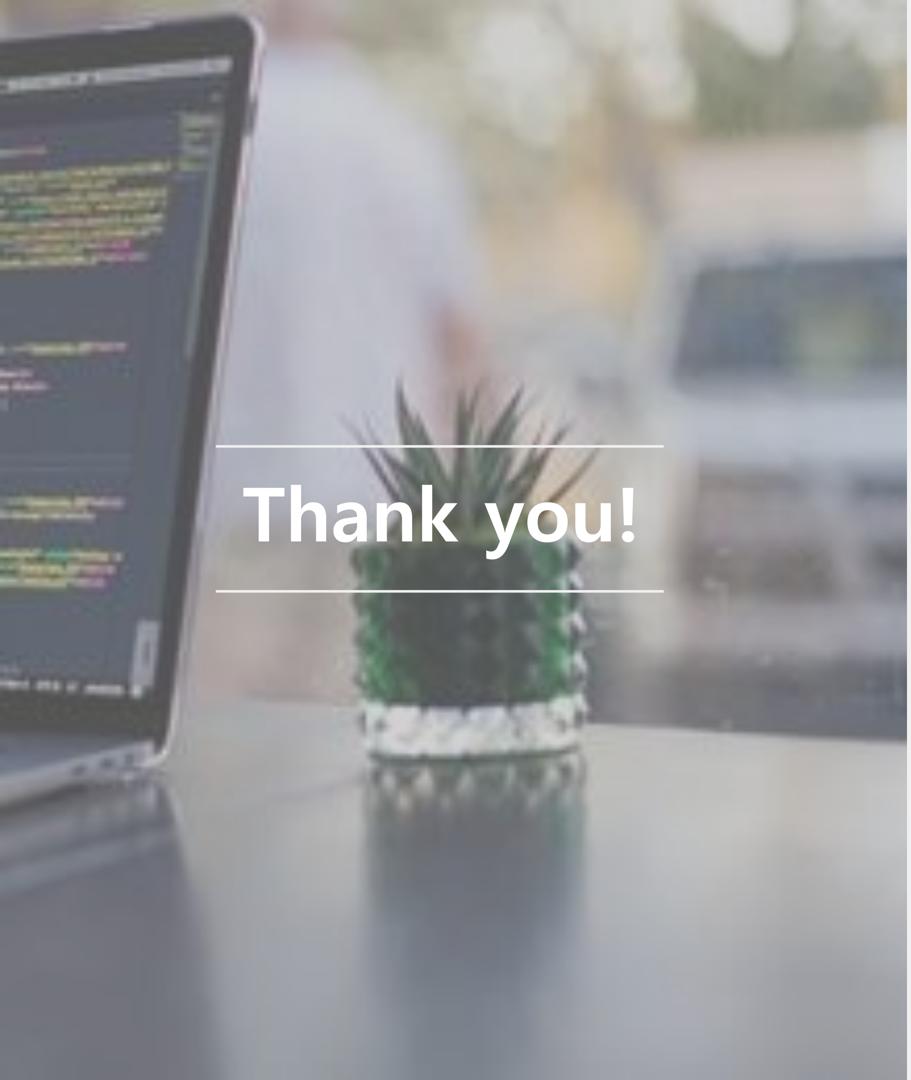
공백없는 한글, 영문, 숫자 입력

KDG



KDG님 반갑습니다. [회원정보] [로그아웃]

변경 후 중복확인 X => 경고문
변경하며 sessUser값 갱신 => List에서 곧바로 적용



Thank you!

정기 수행 평가

08.애플리케이션 테스트 수행 JBoard2

Kim Dong Geun
From GreenAcademy
2022.11.30